

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of determining the shape of a dental prosthesis comprising the steps of:

- a) scanning at least a connecting portion (14) of a preparation (10), wherein the preparation comprises a first anchor (12) and a connecting portion (14) connected thereto;
- b) forming a physical model on the connecting portion (14) to produce a pontic (22); and
- c) scanning at least the pontic (22)

whereby the surface of the first anchor (12) is also scanned during a scanning step whereby the scanning steps can be carried out in either order.

2. (Currently Amended) A method according to claim 1 wherein, during a scanning step, the preparation (10) is scanned to provide data concerning relative locations of the first anchor (12) and connecting portion (14).

3. (Original) A method according to claim 2 wherein, data concerning the relative locations is used to align data obtained during the scanning steps.

4. (Currently Amended) A method according to ~~any preceding~~ claim 1 wherein, in addition to producing a physical model of a pontic (22), connectors (22a, 22b) which connect the pontic (22) to the first anchor (12) are also produced and wherein said connectors are scanned.

5. (Currently Amended) A method according to ~~any of claims 1 to 3~~ claim 1 wherein, connectors ~~(22a,22b)~~ which connect the pontic ~~(22)~~ to the first anchor ~~(12)~~ are created by applying mathematical rules to data collected during the scanning processes.
6. (Currently Amended) A method according to ~~any preceding~~ claim 1 wherein, data produced when the first anchor ~~(12)~~ is scanned is used to calculate an offset.
7. (Currently Amended) A method according to ~~any preceding~~ claim 1 wherein, data produced when at least the connecting portion ~~(22)~~ is scanned is used to calculate an offset.
8. (Currently Amended) A method of producing a model of a dental prosthesis comprising the steps of:
- scanning a preparation ~~(10)~~ having different features ~~(12,14,16)~~ to provide data concerning the relative locations of the different features within the preparation wherein the different features include a first anchor ~~(12)~~ and a connecting portion ~~(14)~~;
 - dividing a preparation into the different features ~~(12,14,16)~~;
 - individually scanning the different features ~~(12,14,16)~~ of the preparation; and
 - producing a model of a dental prosthesis by aligning data from the individual scans using the data concerning relative locations of the different features ~~(12,14,16)~~ within the preparation ~~(10)~~.
9. (Currently Amended) A method of manufacturing a dental prosthesis comprising:
- determining the shape of a dental prosthesis according to ~~any preceding~~ claim 1; and
 - producing the shape of the dental prosthesis from a ceramic former.

10. (Original) A method according to claim 9 wherein, the dental prosthesis is coated with porcelain.

11. (Currently Amended) A dental prosthesis produced according to ~~any preceding~~ claim 1.

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